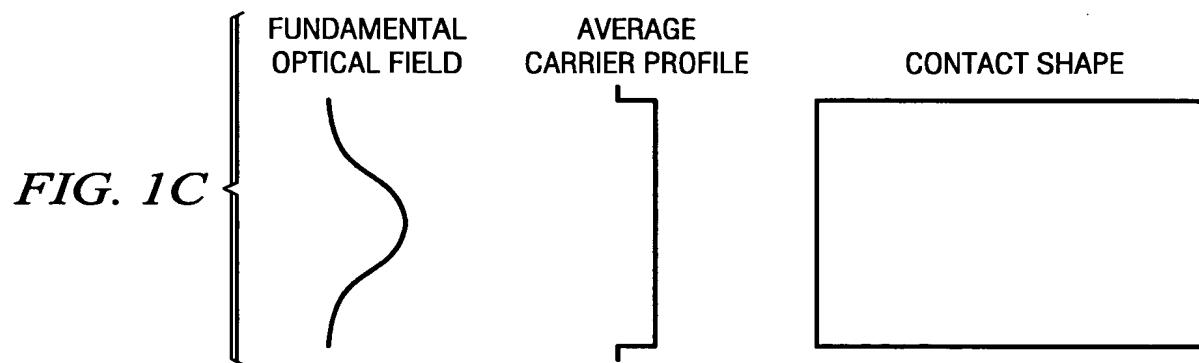
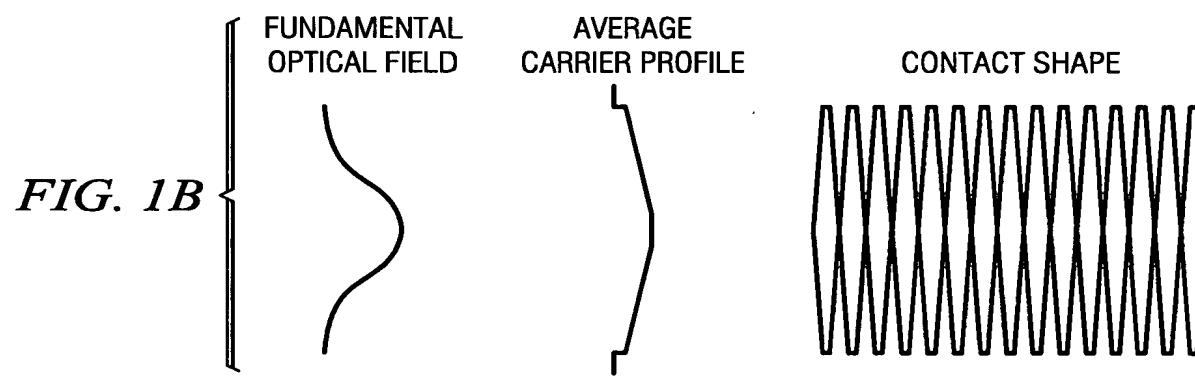
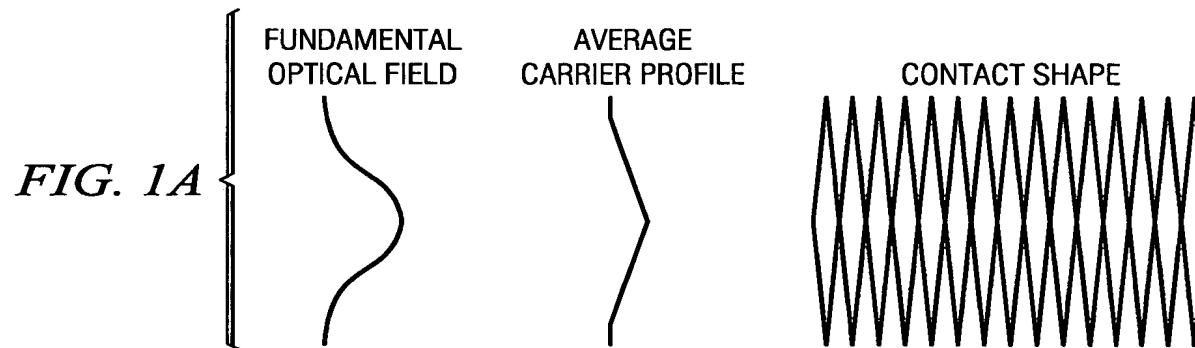
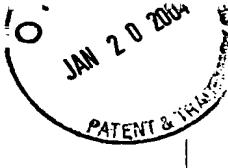




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QUANTUM WELL SHAPES
BEFORE QWI

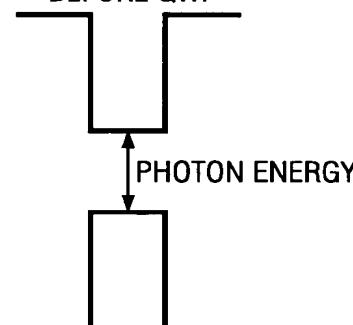


FIG. 2A

QUANTUM WELL SHAPES
AFTER QWI

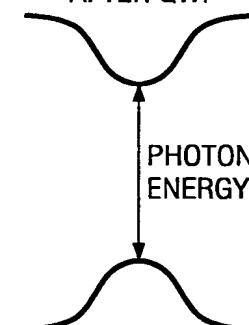
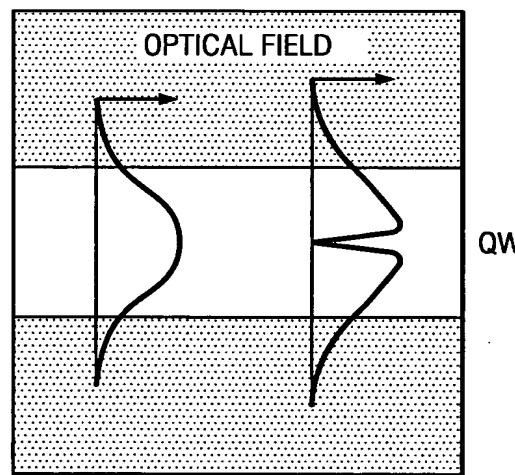


FIG. 2B

WIDE OPTICAL WAVEGUIDE



STANDARD SINGLE MODE
OPTICAL WAVEGUIDE

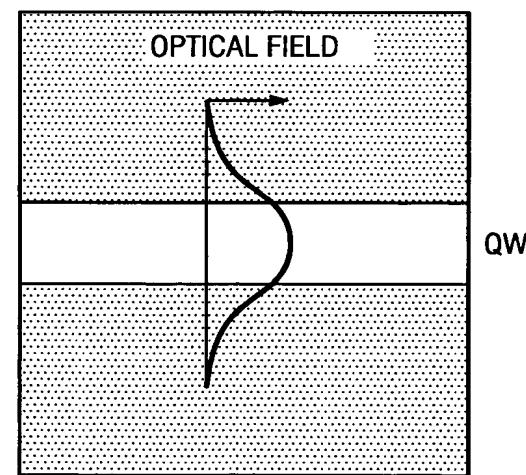
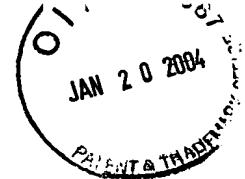
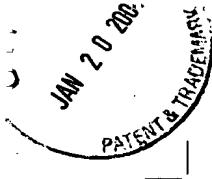


FIG. 3



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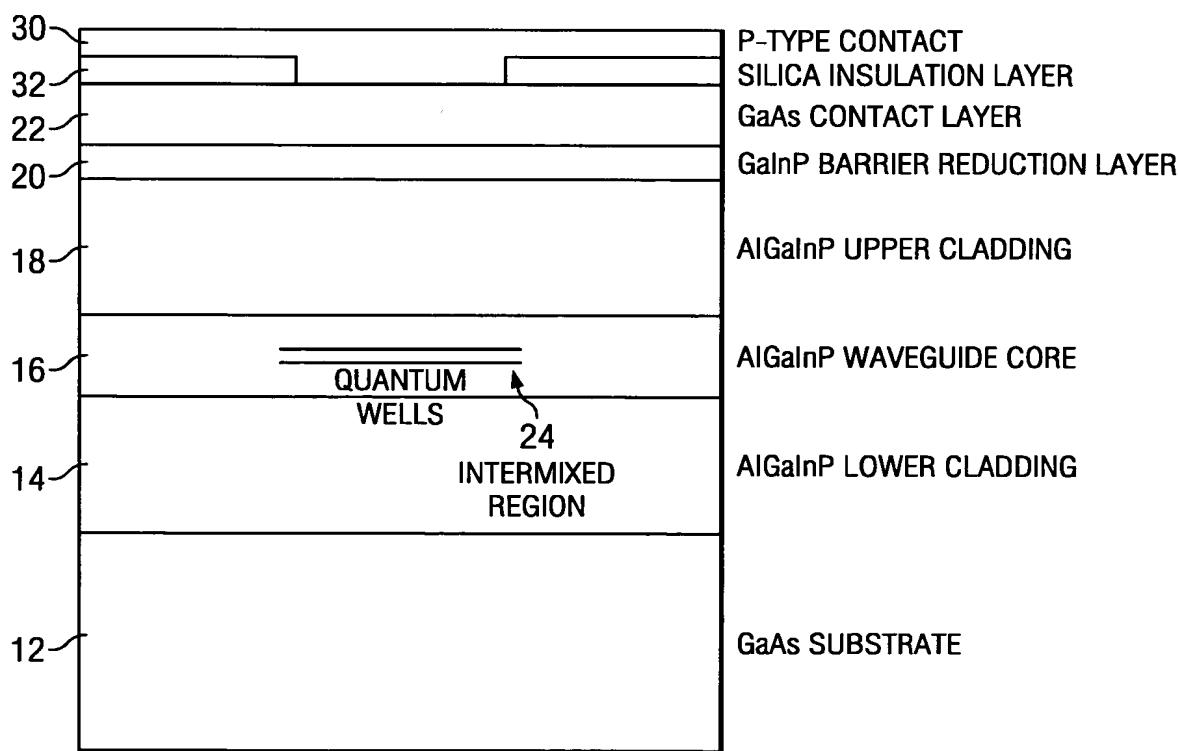
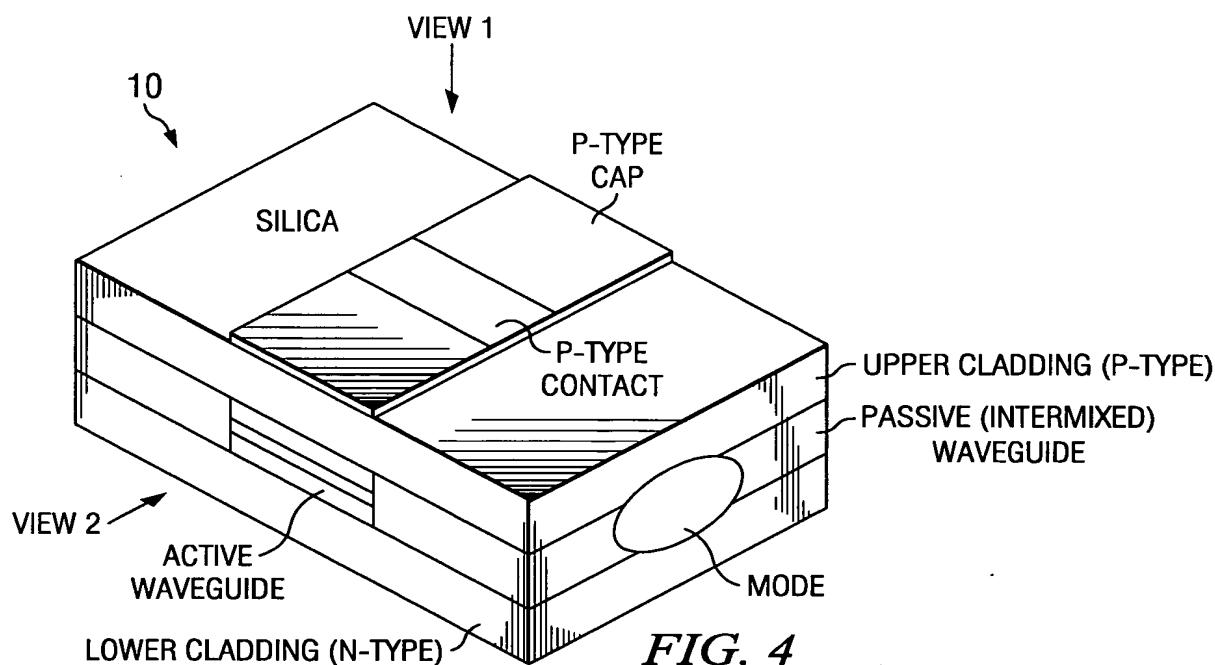


FIG. 5

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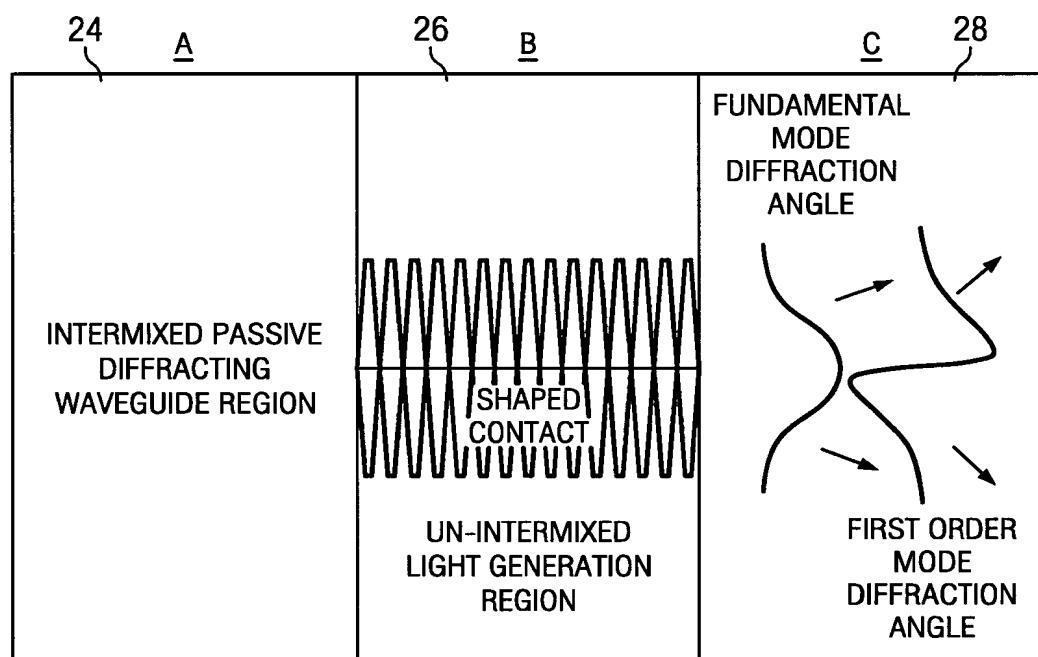


FIG. 6